

FORM PTO-1449

U.S. Dept. of Commerce
Patent and Trademark Office

Atty Docket No.

P1762R1

Serial No.

09/592,695

LIST OF DISCLOSURES CITED BY APPLICANT

(Use several sheets if necessary)

Applicant

Cochran et al.

Filing Date

13 Jun 2000

Group

1645-1627

U.S. PATENT DOCUMENTS

Examiner Initials		Document Number	Date	Name	Class	Subclass	Filing Date
ST	1	4,833,092	23.05.89	Geysen			
ST	2	5,534,615	09.07.96	Baker et al.			
ST	3	5,824,483	20.10.98	Houston, Jr. et al.			
ST	4	5,830,851	03.11.98	Wrighton et al.			
ST	5	5,866,341	02.02.99	Spinella et al.			
ST	6	5,885,780	23.03.99	Olivera et al.			
ST	7	6,013,458	11.01.00	Kahn et al.			


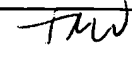
FOREIGN PATENT DOCUMENTS

Examiner Initials		Document Number	Date	Country	Class	Subclass	Translation Yes	No
ST	8	WO 92/00091	09.01.92	PCT				
ST	9	WO 94/03494	17.02.94	PCT				
ST	10	WO 95/01800	19.01.95	PCT				
ST	11	WO 98/49168	05.11.98	PCT				
ST	12	WO 99/51625	14.10.99	PCT				

OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, etc.)

ST	13	Ball et al., "Conformational Constraints: Nonpeptide β -Turn Mimics" <u>Journal of Molecular Recognition</u> 3(2):55-64 (1990)					
ST	14	Bianchi et al., "High level expression and rational mutagenesis of a designed protein, the minibody. From an insoluble to a soluble molecule" <u>Journal of Molecular Biology</u> 236(2):649-659 (Feb 18, 1994)					
ST	15	Christmann et al., "The cystine knot of a squash-type protease inhibitor as a structural scaffold for Escherichia coli cell surface display of conformationally constrained peptides" <u>Protein Engineering</u> 12(9):797-806 (Sep 1999)					
ST	16	Cochran, A., "Antagonists of protein-protein interactions" <u>Chemistry and Biology</u> 7(4):R85-R94 (Apr 2000)					
ST	17	Cwirla et al., "Peptide agonist of the thrombopoietin receptor as potent as the natural cytokine" <u>Science</u> 276(5319):1696-1699 (Jun 13, 1997)					
ST	18	Fairbrother et al., "Novel Peptides Selected to Bind Vascular Endothelial Growth Factor Target the Receptor-Binding State" <u>Biochemistry</u> 37:17754-17764 (1998)					
ST	19	Falcomer et al., "Chain Reversals in Model Peptides: Studies of Cystine-Containing Cyclic Peptides. 3. Conformational Free Energies of Cyclization of Tetrapeptides of Sequence Ac-Cys-Pro-X-Cys-NHMe" <u>J. Am. Chem. Soc.</u> 114:4036-4042 (1992)					
ST	20	Favre et al., "Structural Mimicry of Canonical Conformations in Antibody Hypervariable Loops Using Cyclic Peptides Containing a Heterochiral Diproline Template" <u>J. Am. Chem. Soc.</u> 121:2679-2685 (1999)					
ST	21	Kieber-Emmons et al., "Therapeutic peptides and peptidomimetics" <u>Current Opinion in Biotechnology</u> 8(4):435-441 (Aug 1997)					
ST	22	Ladner, R., "Constrained peptides as binding entities" <u>TIBTECH</u> 13:426-430 (Oct 1995)					
ST	23	Lam et al., "A new type of synthetic peptide library for identifying ligand-binding activity" <u>Nature</u> 354:82-84 (1991)					

Examiner

Date Considered

2/2/02

8/23/02

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449

U.S. Dept. of Commerce
Patent and Trademark Office

Appy Docket No.

P1762R1

Serial No.

09/592,695

LIST OF DISCLOSURES CITED BY APPLICANT

(Use several sheets if necessary)

Applicant

Cochran et al.

Filing Date

13 Jun 2000

Group

27
1645

OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, etc.)

ST	24	Lin and Kim, "Urea Dependence of Thiol-Disulfide Equilibria in Thioredoxin: Confirmation of the Linkage Relationship and a Sensitive Assay for Structure" <u>Biochemistry</u> 28(12):5282-5287 (1989)
ST	25	Livnah et al., "Functional mimicry of a protein hormone by a peptide agonist: the EPO receptor complex at 2.8 Å" <u>Science</u> 273(5274):464-471 (Jul 26, 1996)
ST	26	Lowman et al., "Molecular mimics of insulin-like growth factor 1 (IGF-1) for inhibiting IGF-1: IGF-binding protein interactions" <u>Biochemistry</u> 37(25):8870-8878 (Jun 23, 1998)
ST	27	Martin et al., "The affinity-selection of a minibody polypeptide inhibitor of human interleukin-6" <u>EMBO Journal</u> 13(22):5303-5309 (Nov 15, 1994)
ST	28	McBride et al., "Selection of Chymotrypsin Inhibitors from a Conformationally-constrained Combinatorial Peptide Library" <u>Journal of Molecular Biology</u> 259(4):819-827 (Jun 21, 1996)
ST	29	Milburn et al., "Chain Reversals in Model Peptides: Studies of Cystine-Containing Cyclic Peptides I. Conformational Free Energies of Cyclization of Hexapeptides of Sequence Ac-Cys-X-Pro-Gly-Y-Cys-NHMe" <u>J. Am. Chem. Soc.</u> 109:4486-4496 (1987)
ST	30	Milburn et al., "Chain reversals in model peptides: studies of cystine-containing cyclic peptides. II. Effects of valyl residues and possible i-to-(i + 3) attractive ionic interactions on cyclization of [Cys ¹], [Cys ⁶] hexapeptides" <u>International Journal of Peptide & Protein Research</u> 31(3):311-321 (Mar 1988)
ST	31	Milner-White, E., "Predicting the biologically active conformations of short polypeptides" <u>Trends in Pharmacological Sciences</u> 10(2):70-74 (Feb 1989)
ST	32	Myszka and Chaiken, "Design and characterization of an intramolecular antiparallel coiled coil peptide" <u>Biochemistry</u> 33(9):2363-2372 (Mar 8, 1994)
ST	33	Nygren and Uhlen, "Scaffolds for engineering novel binding sites in proteins" <u>Current Opinion in Structural Biology</u> 7(4):463-469 (Aug 1997)
ST	34	Smith and Pease, "Reverse turns in peptides and proteins" <u>CRC Critical Reviews in Biochemistry</u> 8(4):315-399 (1980)
ST	35	Smith et al., "Small binding proteins selected from a combinatorial repertoire of knottins displayed on phage" <u>Journal of Molecular Biology</u> 277(2):317-332 (Mar 27, 1998)
ST	36	Stroup and Gierasch, "Reduced Tendency to Form a β Turn in Peptides from the P22 Tailspike Protein Correlates with a Temperature-Sensitive Folding Defect" <u>Biochemistry</u> 29:9765-9771 (1990)
ST	37	Vita et al., "Novel miniproteins engineered by the transfer of active sites to small natural scaffolds" <u>Biopolymers</u> 47(1):93-100 (1998)
ST	38	Vita et al., "Rational engineering of a miniprotein that reproduces the core of the CD4 site interacting with HIV-1 envelope glycoprotein" <u>Proc. Natl. Acad. Sci. USA</u> 96(23):13091-13096 (Nov 9, 1999)
ST	39	Wiesmann et al., "Crystal Structure of the Complex between VEGF and a Receptor-Blocking Peptide" <u>Biochemistry</u> 37:17765-17772 (1998)
ST	40	Wrighton et al., "Small peptides as potent mimetics of the protein hormone erythropoietin" <u>Science</u> 273:458-463 (Jul 26, 1996)

Examiner

*Hein King**HW*

Date Considered

4/2/02

8/23/02

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

